

ABSTRACT

A reciprocating compressor includes a front-side delivery chamber 18a formed at a front-side cylinder head 6, a rear-side delivery chamber 18b formed at a rear-side cylinder head 8, a plurality of delivery passages 12a and 12b formed at cylinder blocks 2 and 4 and an outlet port 16 that communicates between one of the delivery passages and an external circuit. The other delivery passage 12b that is not in communication with the outlet port 16 is made to communicate with the front-side delivery chamber 18a and the rear-side delivery chamber 18b and is also made to communicate with the delivery passage 12a in communication with the outlet port 16 via a guide passage 17. The delivery passage 12a in communication with the outlet port 16 is made to communicate with either the front-side delivery chamber or the rear-side delivery chamber via a constricted portion 40 having a passage section smaller than the passage sections at positions at which the other delivery passage 12b communicates with the delivery chambers 18a and 18b, and the dimensions of the constricted portion are set so that its area is equal to or smaller than the area of a circular section with a diameter of 1.5 mm. The reciprocating compressor adopting the structure described above makes it possible to reduce the extent of discharge pulsation and ultimately reduce vibration and noise.